SAFETY DATA SHEET
LP-1850 PART B HARDENER

Product Name: LP-1850 PART B HARDENER

Company Name: Lanco Paints and Coatings
600 Mid Florida Dr.
Orlando, FL 32824
Emergencies Involving Spills, Leaks
Fires, Exposures, or Accidents

Phone Number: (407) 535-4610

Emergency Contact: (407) 535-4610

2. Hazards Identification

Skin Corrosion/Irritation, Category 1B
Skin Sensitization, Category 1
Serious Eye Damage/Eye Irritation, Category 1
Germ Cell Mutagenicity – Category 2
Acute Toxicity: Oral, Category 4
Aquatic Toxicity (Acute), Category 1
Aquatic Toxicity (Chronic), Category 1

GHS Signal Word **Danger**

GHS Hazard Phrases:
H314 - Causes severe skin burns and eye damage.
H302 – Harmful if swallowed.
H361 – Suspected of damaging fertility or the unborn child.
H411 – Toxic to aquatic life with long lasting effects.

GHS Precaution Phrases:
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P270 – Do not eat, drink or smoke when using this product.
P202 – Do not handle until all safety precautions have been read and understood.
P281 – Use personal protective equipment as required.
P273 – Avoid release to the environment.

GHS Response Phrases:
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P332+313 - If skin irritation occurs, get medical advice/attention.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313 - If eye irritation persists, get medical advice/attention.
P301+330+331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical aid.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention.
P370+378 - In case of fire, use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

GHS Storage and Disposal Phrases:
P403+235 - Store in cool/well-ventilated place. Store locked up.
Contact a licensed professional waste disposal service to dispose of this material.

Potential Health Effects: Chronic inhalation may cause effects similar to those of acute inhalation.

Inhalation: May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Skin Contact: May be harmful if absorbed through the skin. Causes skin burns.

Eye Contact: Causes eye burns.

Ingestion: May be harmful if swallowed.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
Proprietary	Epoxy Amine Resin	65.0 - 75.0 %
25154-52-3	Nonyl phenol	10.0 - 20.0 %
25338-55-0	[(Dimethylamino)methyl]phenol	10.0 – 20.0%

4. First Aid Measures

Emergency and First Aid Procedures

In Case of Inhalation: If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Remove from exposure and move to fresh air immediately. Get medical aid.

In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. If skin irritation occurs, get medical advice/attention.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

In Case of Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting. Get medical aid.

Signs and Symptoms of Exposure: Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin.
Cough, Shortness of breath, Headache, Nausea.

Note to Physician: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

5. Fire Fighting Measures

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

Fire Fighting Instructions: Use water spray to cool unopened containers. Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Flammable Liquid. Emits toxic fumes under fire conditions. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Flammable liquid and vapor. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. This liquid floats on water and may travel to a source of ignition and spread fire. May accumulate static electricity.

Flammable Properties and Hazards: Vapor may travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions. Forms explosive mixtures in air. Wear self- contained breathing apparatus for fire fighting if necessary.

6. Accidental Release Measures

Steps To Be Taken In Case Material is Released or Spilled: Personal precautions.
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Environmental precautions. Do not let product enter drains. Soak up with inert absorbent material and dispose of hazardous waste. Keep in suitable, closed containers for disposal.

7. Handling and Storage

Precautions To Be Taken in Handling: Avoid inhalation of vapor mist. Normal measures for preventive fire protection.

Precautions To Be Taken: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA
Proprietary	Epoxy Amine Resin	N/E	N/E
25154-52-3	Nonyl phenol	N/E	N/E
25338-55-0	[Dimethylamino)methyl]phenol	N/E	N/E

Respiratory Equipment (Specify Type): For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls..

Eye Protection: Safety glasses with side shield. For a higher degree of protection, wear chemical splash goggles.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure, such as butyl rubber or nitrile rubber. Wear appropriate protective clothing to prevent skin exposure.

Other Protective Clothing: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Engineering Controls (Ventilation, etc.)

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Wash thoroughly after handling. Wash contaminated clothing before reuse.

9. Physical and Chemical Properties

Physical States: [ ] Gas [X] Liquid [ ] Solid

Appearance and Odor: Colorless, amonia odor

Flash Point: >220° F

Boiling Point: >230° F

Explosive Limits: LEL: N/A UEL: N/A

Weight Per Gallon: 7.90 +/- .3

Vapor Pressure (mm Hg): N/A

Vapor Density: N/A

Evaporation Rate: N/A

Percent Volatile: 0

10. Stability and Reactivity

Stability: Unstable [ ] Stable [X] No data available.

Conditions to Avoid - Instability: No data available

Incompatibility – Materials To Avoid: Strong oxidizing agents, acids.

Hazardous Decomposition Or Byproducts: Formed under fire conditions. Carbon oxides, nitrogen oxides (NOx).

Possibility of Hazardous Reactions: Will occur [ ] Will not occur [X]

Conditions to Avoid - Hazardous Reactions: No data available

11. Toxicological Information

Toxicological Information: Epidemiology: No information found.
Teratogenicity: Reproductive Effects: Mutagenicity: No information found.
Neurotoxicity. No information available.

Irritation or Corrosion: Serious eye damage/eye irritation.

Carcinogenicity/Other Information: Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen byNTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA

12. Ecological Information

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Mobility in Soil: Toxic to aquatic life with long lasting effects.

13. Disposal Considerations

Waste Disposal Method: Dispose of as unused product. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. This material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Consumer Commodity. ORM-D (for 1 gallon and quart cans)
UN3066, Paint Related Material, 8, PG III (sizes larger than 1 gallon)

IMDG Shipping Name: UN3066, Paint Related Material, 8, PG III
The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤ 5 kg (per container)

AIR TRANSPORT (ICAO/IATA):

IATA Shipping Name: UN3066, Paint Related Material, 8, PG III

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
Proprietary	Epoxy Amine Resin	No	No	No
25338-55-0	[(Dimethylamino)methyl]phenol	No	No	No
25154-52-2	Nonyl phenol	No	No	No

V.O.C. (mixed): 0 LBS/GL (0 GMS/L)

16. Other Information

Revision Date: 6/4/2015
Additional Information About this Product

Hazardous Material Information System III (U.S.A)

Health: 3
Flammability: 1
Reactivity: 0
Personal Protection: *

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by Gulf Coast Paint Mfg. Inc., and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.